

A NEW SPECIES OF *ASTICHUS* PARASITIC ON A
CIID BEETLE FROM BORNEO
(HYMENOPTERA : CHALCIDOIDEA : EULOPHIDAE)

Tetsusaburo Tachikawa

Entomological Laboratory, College of Agriculture
Ehime University, Matsuyama, Japan

Through the courtesy of Mr. Masahiro Sakai, I recently had a chance to examine two female specimens which were reared from *Cis* sp. (Coleoptera: Ciidae) in Borneo Is., Malaysia, and I take this opportunity of describing a new species of the genus *Astichus* Foerster for the first time from Borneo.

***Astichus townesi*, n. sp.**

The present new species is so peculiar as to be unable to put through the key to the female *Astichus* species given by Hedqvist (1969). The female of this species may be characterized by the distinct maculation and shape of the fore wings and the coloration of the funicle.

Female: Head black and metallic greenish blue except for the mouth parts which are yellowish brown; pronotum, mesoscutum and axillae black with metallic greenish blue; scutellum, propodeum and abdomen black with vivid, metallic purple lustre. All funicle segments yellowish white; scape (except for the basal and apical whitish portions), pedicel and club blackish. All coxae and trochanters blackish; all femora, tibiae and tarsi yellowish white except for the following dark brownish parts: basal halves of femora and tibiae, apical portions of tibiae and 2nd segments of tarsi. Maculation of fore and hind wings shown as Fig. 1, A and C.

Head, seen from above, about 1.7 times as wide as frontovertex; frontovertex concave medio-anteriorly; ocelli in an obtuse-angled triangle; a transverse stripe¹ in front of median ocellus white. Antennae inserted on the lower eye level; scape a little expanded on apical half, exclusive of the radicle, about as long as club; pedicel slightly longer than the 1st funicular segment; two ring segments very tiny; funicle 4-segmented; the 1st funicular segment much shorter than the 2nd; the 2nd to 4th funicular segments pedunculate and subequal in length.

Pronotum short; notaulices (= parapsidal grooves) deep and complete, scapulae (= side lobes) convex; scutellum about as long as wide. Gaster elongate, a little longer than head and thorax taken together; cercal plates situated near the top of abdomen; ovipositor sheath exerted, about one-third the length of gaster.

Length: 1.2 mm.

Male: Unknown.

Host: *Cis* sp. (Coleoptera: Ciidae) feeding on a fungus.

Holotype: F, Polong, Sabah, Borneo Is., Malaysia, 18. V. 1980, M. Sakai leg., ex *Cis* sp. *Paratype*: 1 F, the same data as holotype. The type-series

¹In *A. miyatakei* Tachikawa, 1977 and *A. sakaii* Tachikawa, 1977, this whitish stripe is lacking.

is deposited in the Entomological Laboratory, Ehime University. This new species is named in honor of Dr. H. K. Townes.

I thank Mr. Masahiro Sakai (School of Medicine, Ehime University) for gift of the specimens, and Assoc. Prof. Mutsuo Miyatake (College of Agriculture, Ehime University) for identity of the host ciid beetle.

REFERENCE

- Hedqvist, K.-J. 1969. Notes on the genus *Astichus* Foerst. and description of new species (Hym., Chalcidoidea, Eulophidae, Euderinae). Entomol. Ts. 90 (3-4): 166-173.

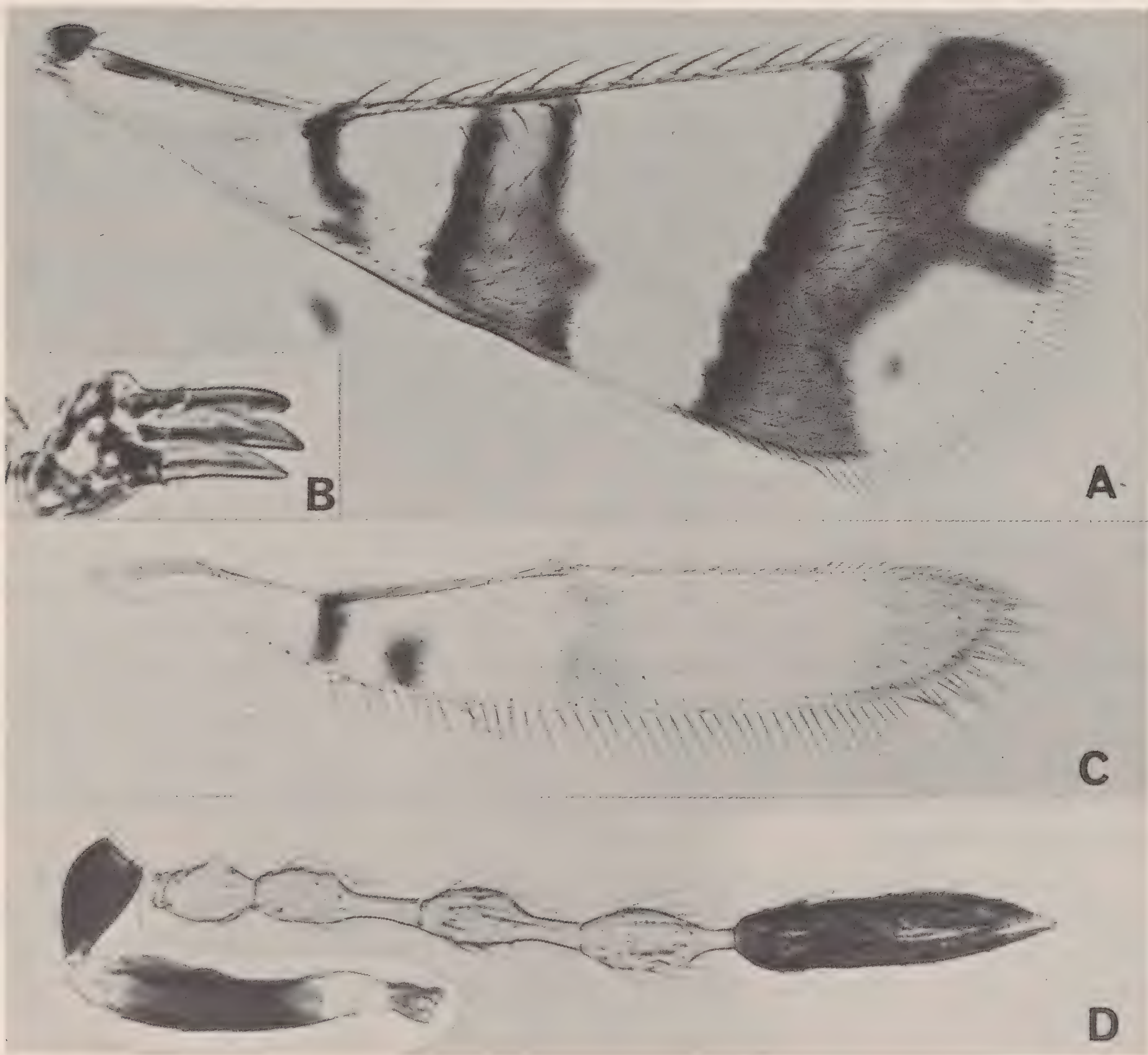


Fig. 1. *Astichus townesi*, n. sp., female: A, fore wing. B, mandible. C, hind wing. D, antenna. (Photo: Tachikawa).